

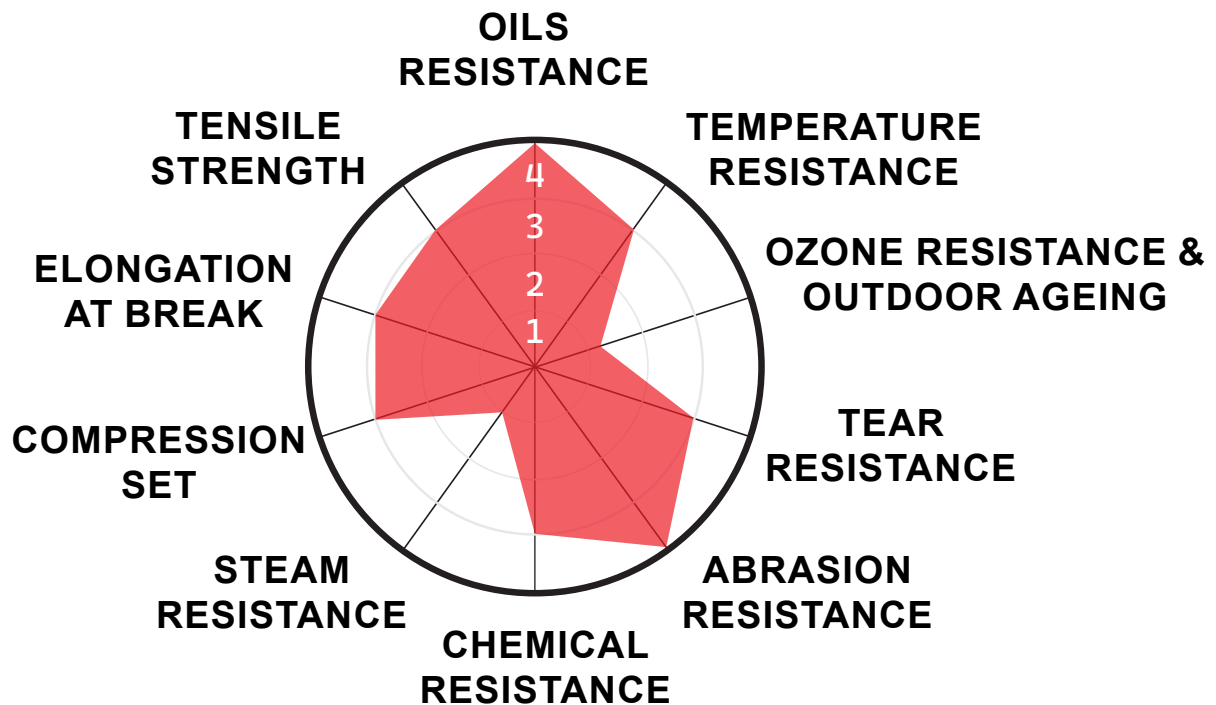
SYNCHRONOUS BELT

Hydrogenated Nitrile Rubber (HNBR)

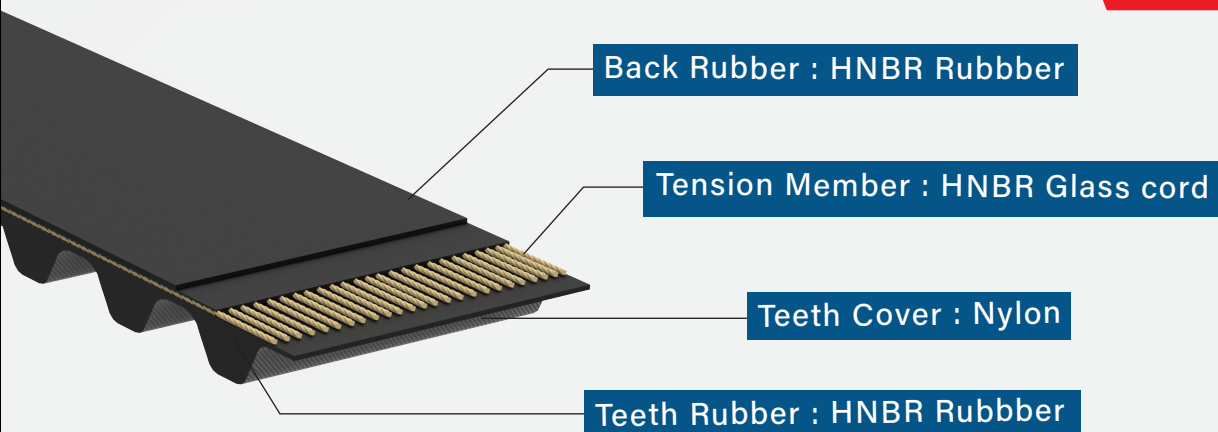
- High performance specialty polymer with combination of unique properties including high tensile strength and very good mechanical properties even at elevated temperature
- Excellent abrasion resistance
- low compression set
- excellent heat resistance (-65 to 165 °C; short term at 190°C- Very good resistance to ozone, weathering and high energy radiation
- low permeability to vapors and gases
- very good resistance to oil, fluids, diesels, fuels and sour gasoline
- very good resistance to lubricating oils with aggressive alkaline additives
- Good resistance to crude oil even in the presence of hydrogen sulfide, amines, and corrosion inhibitor

SYNCHRONOUS BELT

HNBR



STRUCTURE



HNBR STANDS FOR HYDROGENATED NITRILE BUTADIENE RUBBER. IT IS A SYNTHETIC RUBBER THAT IS MADE BY HYDROGENATING NBR (NITRILE BUTADIENE RUBBER). HYDROGENATION IS A PROCESS IN WHICH THE UNSATURATED BONDS IN THE POLYMER ARE SATURATED WITH HYDROGEN, RESULTING IN A MATERIAL WITH IMPROVED HEAT RESISTANCE, CHEMICAL RESISTANCE, AND DURABILITY. HNBR IS COMMONLY USED IN AUTOMOTIVE APPLICATIONS SUCH AS SEALS, GASKETS, AND O-RINGS DUE TO ITS HIGH RESISTANCE TO HEAT AND HARSH CHEMICALS. IT IS ALSO USED IN THE MANUFACTURING OF INDUSTRIAL AND OILFIELD PRODUCTS, AS WELL AS IN CONSUMER GOODS SUCH AS TOYS AND PERSONAL CARE PRODUCTS.

